

ABSTRACT OF THE DISCLOSURE

A stage apparatus includes a first-direction guide which extends in a first direction and can move in a second direction perpendicular to the first direction, a first driving mechanism which moves the first-direction guide in the second direction, a movable body which can be guided by the first-direction guide to move in the first direction, and a first electromagnetic force generating device which generates an electromagnetic force in the second direction between the movable body and the first-direction guide in synchronism with acceleration of the first-direction guide in the second direction, so as to keep the movable body and the first-direction guide in noncontact with each other.